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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q76019

Ichirou MIYAGAWA

Appln. No.: 10/603,937

Group Art Unit: 2861

Confirmation No.: 3417

Examiner: Hai Chi PHAM

Filed: June 26, 2003

For: ARRAY REFRACTING ELEMENT, ARRAY DIFFRACTING ELEMENT AND EXPOSURE APPARATUS

**STATEMENT OF SUBSTANCE OF INTERVIEW**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please review and enter the following remarks summarizing the interview conducted on

June 1, 2006:

**REMARKS**

An Examiner's Interview Summary Record (PTO-413) was attached with the Interview Summary dated June 8, 2006.

The interview was initiated by the Examiner. Therefore, no further recordation by the Applicant is believed to be required.

During the interview, the following was discussed:

1. Brief description of exhibits or demonstration: None.
2. Identification of claims discussed: The primary claim discussed was independent claim 11 although arguments may apply to claim 14.

3. Identification of art discussed: Gao et al. (Patent Publication No. U.S. 2003/0151820) and secondary reference Miyagawa (U.S. Patent 6,380,966).

4. Identification of principal proposed amendments: Possible claim amendments were discussed with regard to independent claim 11.

5. Brief Identification of principal arguments: Arguments were, *inter alia*, that the following features of claim 11 are not disclosed in the prior art with respect to the prism in Gao:

an array refracting element which is disposed between the light source and the recording medium so that a direction, which two refracting members are arranged in at least two pair units in an array shape, is substantially parallel to the broad area direction of the light beam emitted from the light source, wherein the array refracting element includes a refracting member having a unit surface shape dividing one light beam into two light beams by ejecting the one incident light beam toward different positions, wherein the array refracting element is configured to arrange the two refracting members in at least two pair units in an array shape in a direction orthogonal to a light beam dividing direction.

6. Indication of other pertinent matters discussed: If the independent claim recited language directed toward the light beam being divided into two angles, the Examiner seemed to indicate that such language may not be disclosed in the prior art. Further, if the independent claim recited language directed toward behavior of incident light beam in pair unit, the Examiner seemed to indicate that such language may not be disclosed in the prior art.

Also, the Examiner indicated that he would have to verify whether or not the type of prism used in Gao causes deterioration of image quality, as disclosed in the specification of the instant application.

7. Results of Interview: No final conclusion was reached.

It is respectfully submitted that the instant STATEMENT OF SUBSTANCE OF INTERVIEW complies with the requirements of 37 C.F.R. §§1.2 and 1.133 and MPEP §713.04.

**It is believed that no petition or fee is required.** However, if the USPTO deems otherwise, Applicant hereby petitions for any extension of time which may be required to maintain the pendency of this case, and any required fee, except for the Issue Fee, for such extension is to be charged to Deposit Account No. 19-4880.


Respectfully submitted,

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WASHINGTON OFFICE

**23373**

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Date: July 7, 2006